AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Currently Amended)** An optical coupling system comprising:

a post having first and second ends, wherein the post has a height of between about 30 microns and about 250 microns;

a microlens situated on the first end of said post; and
a window comprising glass and having a first side proximate to said microlens
and having a second side.

2. **(Original)** The system of claim 1, wherein:

the second end of said post is an input for light; and the second side of said window is an exit for the light.

- 3. **(Currently Amended)** The system of claim 2, wherein: the exit for the light may be is proximate to an optical fiber; and the input may be proximate to a light source.
- 4. **(Currently Amended)** The system of claim 3, wherein: said post comprises an epoxy material; and said microlens comprises an epoxy material; and

said window comprises glass.

- 5. **(Currently Amended)** The system of claim 3, wherein the optical fiber <u>ismay be</u> single mode fiber.
- 6. **(Original)** The system of claim 5, wherein the optical fiber is in contact with the second side of said window.
- 7. **(Original)** The system of claim 5, wherein the optical fiber is at a distance from the second side of said window.
- 8. **(Currently Amended)** The system of claim 5, wherein the light source <u>ismay be</u> a vertical cavity surface emitting laser (VCSEL).
- 9. **(Original)** The system of claim 5, wherein said post is situated proximate to the light source and on a wafer having the light source.
- 10. **(Original)** The system of claim 5, wherein said microlens is a spherical lens.
- 11. **(Original)** The system of claim 10, wherein said microlens is an ink-jet formed lens.
- 12. **(Original)** The system of claim 5, wherein said microlens is an aspherical lens.

13. **(Currently Amended)** An optical coupling system comprising:

an array of posts, wherein each post has a height of between about 30 microns and about 250 microns;

a microlens situated on a first end of each post of said array of posts; and a window comprising glass and having a first surface proximate to each microlens of said array of posts.

14. **(Original)** The system of claim 13, wherein:

each post has a second end proximate to a radiation source; and

a second surface of said window is proximate to an optical fiber for receipt of radiation from each microlens of said array of posts.

15. **(Original)** The system of claim 13, wherein:

each post has a second end proximate to a detector; and

a second surface of said window is proximate to an optical fiber corresponding to each microlens.

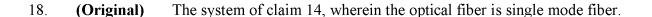
16. **(Original)** The system of claim 14, wherein:

each post comprises an epoxy material; and

each microlens comprises an epoxy material.

17. (Canceled)

Application No. 10/622,042 Amendment After Final dated January 15, 2007 Reply to Final Office Action mailed August 29, 2006



- 19. **(Original)** The system of claim 18, wherein the radiation source is a VCSEL.
- 20. **(Original)** The system of claim 18, wherein the optical fiber is spaced at a distance from the second surface of said window.
- 21. **(Original)** The system of claim 18, wherein the optical fiber is in contact with the second surface of said window.
- 22. (Original) The system of claim 18, wherein each microlens is a spherical lens.
- 23. (Original) The system of claim 18, wherein each microlens is an aspherical lens.
- 24. (Original) The system of claim 23, wherein each microlens is an ink-jet formed lens.

Application No. 10/622,042 Amendment After Final dated January 15, 2007 Reply to Final Office Action mailed August 29, 2006

25. **(Currently Amended)** An optical coupling system comprising:

a substrate having a plurality of optoelectronic elements formed on said substrate;

a plurality of posts formed over the plurality of optoelectronic elements on said substrate;

a plurality of lenses formed on said posts;

a window comprising glass being situated proximate to said plurality of lenses, wherein

the window is about 300 microns thick; and

a plurality of optical fibers proximate to said window.

26. (Original) The system of claim 25, wherein the optoelectronic elements are light

sources.

- 27. **(Currently Amended)** An optical coupling system comprising:
 - an optoelectronic element;
 - a place for an end of an optical medium; and
- a lens situated between said optoelectronic element and place for an end of optical medium, wherein the lens has a thickness of between about 20 microns and about 600 microns; and

a substrate comprising glass and having a first side proximate to said lens and having a second side.

- 28. (Original) The system of claim 27, wherein said lens is an aspherical lens.
- 29. (Original) The system of claim 28, wherein said medium is an optical fiber.
- 30. **(Original)** The system of claim 29, wherein said place for an end of an optical medium is a fiber stop.
- 31. **(Original)** The system of claim 30, wherein said aspherical lens comprises a non-glass material.
- 32. (Original) The system of claim 31, wherein said optoelectronic element is a detector.
- 33. **(Original)** The system of claim 31, wherein said optoelectronic element is a light source.

Application No. 10/622,042 Amendment After Final dated January 15, 2007 Reply to Final Office Action mailed August 29, 2006

- 34. **(Original)** The system of claim 33, wherein said light source is a vertical cavity surface emitting laser.
- 35. **(Original)** The system of claim 34, wherein the said aspheric lens comprises a plastic material.
- 36. **(Original)** The system of claim 35 wherein said optical fiber is single mode optical fiber.

- 37. **(Currently Amended)** An optical coupling system comprising:
 - an optoelectronic element situated about an optical axis;
- an aspherical lens situated about the optical axis, wherein the aspherical lens has a thickness of between about 20 microns and about 600 microns; and
 - a place for an optical fiber situated about the optical axis; and
- a substrate comprising glass and having a first side proximate to said aspherical lens and having a second side.
- 38. **(Original)** The system of claim 37, wherein said aspherical lens comprises a non-glass material.
- 39. (Original) The system of claim 38, wherein said optoelectronic element is a detector.
- 40. **(Original)** The system of claim 38, wherein said optoelectronic element is a light source.
- 41. **(Original)** The system of claim 40, wherein said optoelectronic element is a vertical cavity surface emitting laser.
- 42. (Original) The system of claim 41, wherein said optical fiber is a single mode fiber.
- 43. 45. (Canceled)